



SEQUENCE LISTING

<110> Alan et, al.

<120> NOVEL MELANOCORTIN-4 RECEPTOR SEQUENCES AND
SCREENING ASSAYS TO IDENTIFY COMPOUNDS USEFUL
IN REGULATING ANIMAL APPETITE AND METABOLIC RATE

<130> PC10743A

<140> 60/213,909

<141> 2000-06-26

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<170> PatentIn Ver. 2.1

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<212> DNA

<213> Feline MC4R Nucleotide Sequence

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Val Ile Val Ala Ile Ala Lys Asn Lys Asn Leu His Ser Pro Met Tyr
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Phe Phe Ile Cys Ser Leu Ala Val Ala Asp Met Leu Val Ser Val Ser
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Asn Gly Ser Glu Thr Ile Val Ile Thr Leu Leu Asn Ser Thr Asp Thr
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Asp Ala Gln Ser Phe Thr Val Asn Ile Asp Asn Val Ile Asp Ser Val
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Cys Thr Val Ser Gly Val Leu Phe Ile Ile Tyr Ser Asp Ser Ser Ala
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Val Ile Ile Cys Leu Ile Thr Met Phe Phe Thr Met Leu Ala Leu Met
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Ala Ser Leu Tyr Val His Met Phe Leu Met Ala Arg Leu His Ile Lys
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Met Lys Gly Ala Ile Thr Leu Thr Ile Leu Ile Gly Val Phe Val Val
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Cys Trp Ala Pro Phe Phe Leu His Leu Ile Phe Tyr Ile Ser Cys Pro
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Gln Asn Pro Tyr Cys Val Cys Phe Met Ser His Phe Asn Leu Tyr Leu
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 35 40 45

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Val Ile Val Ala Ile Ala Lys Asn Lys Asn Leu His Ser Pro Met Tyr
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Phe Phe Ile Cys Ser Leu Ala Val Ala Asp Met Leu Val Ser Val Ser
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Asp Ala Gln Ser Phe Thr Val Asn Ile Asp Asn Val Ile Asp Ser Val
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Cys Thr Val Ser Gly Ile Leu Phe Ile Ile Tyr Ser Asp Ser Thr Ala
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Val Ile Ile Cys Leu Ile Thr Met Phe Phe Thr Met Leu Ala Leu Met
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Ala Ser Leu Tyr Val His Met Phe Leu Met Ala Arg Leu His Ile Lys
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